Math 3 7.5 The Unit Circle Unit 7

*EQ: How can you create a unit circle and evaluate trigonometric values from the unit circle?*



Each ordered pair is represented by

**(x, y) = (Cosine, Sine)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Trigonometric Identities:** |  |  |  |
| **Reciprocal Identities:** |  |  |  |

**Example 1:** Evaluate the six trigonometric functions for

Sine

Cosecant

Cosine

Secant

Tangent

Cotangent

**Example 2:** Evaluate the six trigonometric functions for

Sine

Cosecant

Cosine

Secant

Tangent

Cotangent

**Example 3:** Evaluate the six trigonometric functions for

Sine

Cosecant

Cosine

Secant

Tangent

Cotangent

**Example 4:** Find the six trigonometric functions for

Sine

Cosecant

Cosine

Secant

Tangent

Cotangent